

Datasheet for ABIN7274973

IL18BP Protein (AA 31-194) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL18BP
Protein Characteristics:	AA 31-194
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL18BP protein is labelled with His tag.

Product Details

Purpose:	Human IL-18BP Protein
Sequence:	Thr31-Gly194
Characteristics:	Recombinant Human IL-18BP Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr31-Gly194.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.26nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

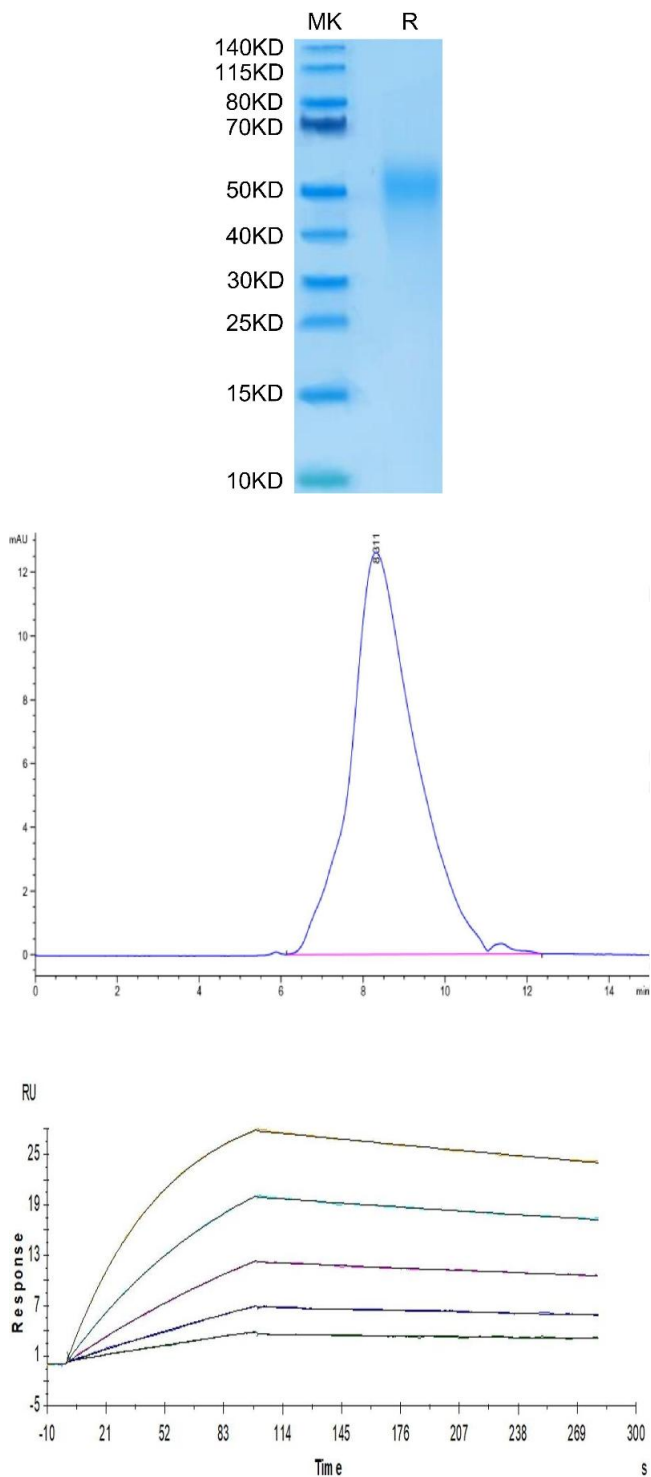
Target:	IL18BP
Alternative Name:	IL-18BP (IL18BP Products)
Background:	Cytokines were the first modern immunotherapies to produce durable responses in patients with advanced cancer, components of the interleukin-18 (IL-18) pathway are upregulated on tumour-infiltrating lymphocytes, suggesting that IL-18 therapy could enhance anti-tumour immunity. IL-18BP, a high-affinity IL-18 decoy receptor, is frequently upregulated in diverse human and mouse tumours and limits the anti-tumour activity of IL-18 in mice.
Molecular Weight:	18.7 kDa. Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human IL-18BP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-18BP is greater than 95 % as determined by SEC-HPLC.

Surface Plasmon Resonance

Image 3. Human IL-18BP, His Tag captured on CM5 Chip via anti-His antibody can bind Human IL-18, No Tag with an affinity constant of 0.26nM as determined in SPR assay (Biacore T200).